

Valves -
Ashton Valve Co.

ASHTON POP VALVES AND STEAM GAGES



CATALOGUE No. 9.

THE ASHTON VALVE CO.
BOSTON, MASS., U.S.A.

THE
ASHTON
VALVE
COMPANY

**MAIN OFFICE AND
WORKS**
271 FRANKLIN ST.
BOSTON, MASS.

NEW YORK
121 LIBERTY STREET

CHICAGO
86 LAKE STREET

LONDON, E. C.
1 & 2 RANGOON STREET

ASHTON

POP SAFETY VALVES

FOR LOCOMOTIVES, STATIONARY, MARINE AND PORTABLE
BOILERS

WATER RELIEF VALVES

FOR PUMPS AND WATER WORKS

CYLINDER RELIEF VALVES

FOR STEAM ENGINES

PRESSURE AND VACUUM GAGES

FOR ALL PURPOSES AND OF EVERY DESCRIPTION

*Seven highest premiums awarded, including two awards at
Chicago World's Fair, 1893.*

*Used on over 150 railroads with a record of almost thirty
years' continued success.*

*Accepted by the United States Navy Department and the
U. S. Board of Supervising Inspectors of Steam
Valves. Recommended by leading
Architects and Engineers.*

THE ASHTON VALVE COMPANY

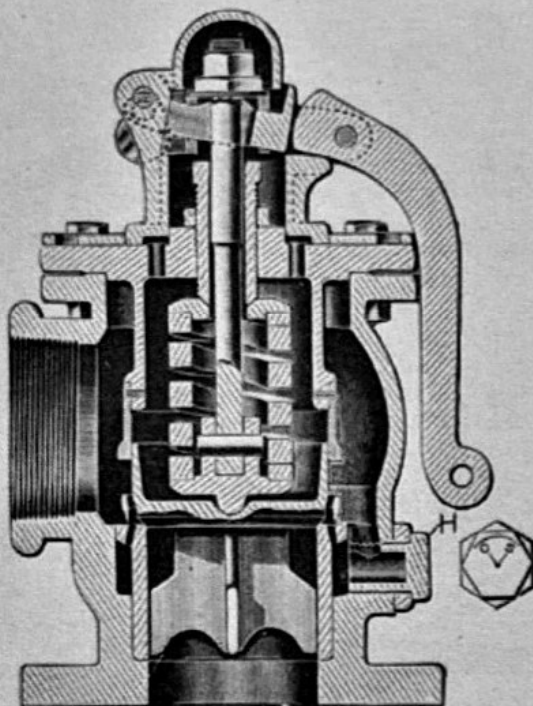
MAIN OFFICE AND WORKS

271 FRANKLIN ST., BOSTON, MASS., U. S. A.

ASHTON

Lock-Up Pop Safety Valves.

For Large Stationary or Portable Boilers.



No. 3.

SPECIAL FEATURES.

Solid construction ; working parts of high-grade composition metal ; bevel seats ; pop valve with knife edge lip ; Jessop's steel spring encased and pivoted ; patent outside pop regulator ; base outlet construction ; compound adjustable trip lever ; lock-up attachment.

PRICE LIST.

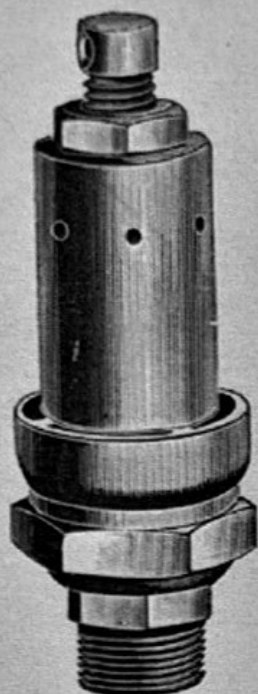
Size, inches.....	2	2½	3	3½	4	4½	5	5½	6
Price	\$30	\$40	\$55	\$64	\$70	\$80	\$85	\$105	\$125
Inlet flange, inches.	7	8	9	10	10	12	12	14	14
Weight, lbs.....	30	50	70	90	98	115	130	172	220

In ordering always mention highest working pressure, and whether flanged or screw inlet connection.

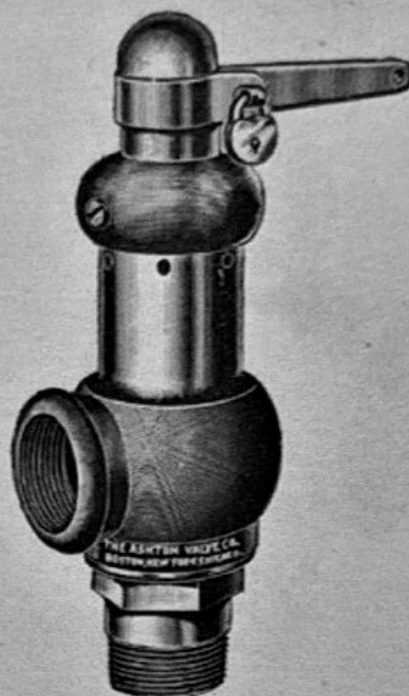
ASHTON

Lock-Up Pop Safety Valves.

For Small Stationary or Portable Boilers.



No. 6.



No. 9.

These valves are made entirely of best composition metal, with the exception of the springs, which are of Jessop's steel. They are automatic in relief, durable and efficient. There are four styles, of which those shown in the cuts are the most commonly used.

PRICE LIST.

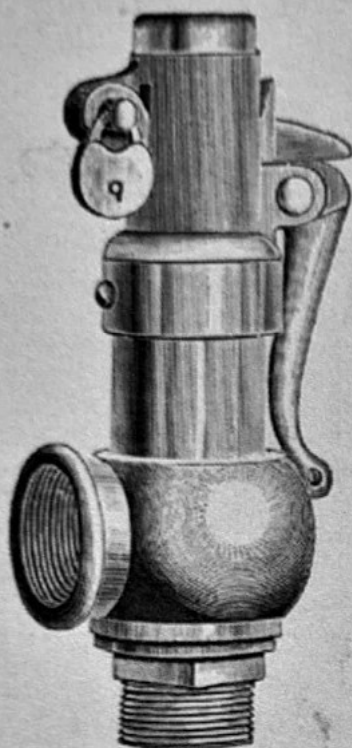
Size, inches.....	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, No. 6.....	\$4.50	\$6.50	\$8.50	\$10.00	\$20.00
" " 7.....	5.00	7.00	9.00	10.50	20.50
" " 8.....	6.00	8.00	10.00	12.00	22.00
" " 9.....	7.00	9.00	11.00	14.00	25.00
Approx. Weight, lbs. .	3	4	5	7	10

State highest pressure when ordering.

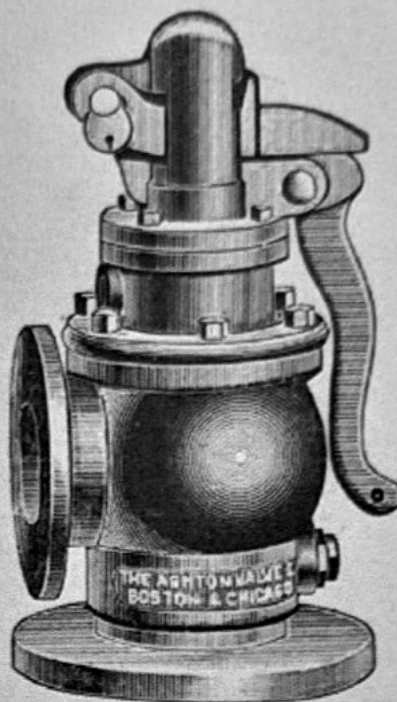
ASHTON

Cam Lever Pop Safety Valves.

Specially adapted for Marine Service.



No. 15.



No. 16.

These valves are accepted by the United States Navy Department and the Board of Supervising Inspectors of Steam Vessels. The No. 15 style is made in composition metal, while the No. 16 is with iron shell and composition working parts. When desired these valves are made in twin form at a small additional expense.

PRICE LIST.

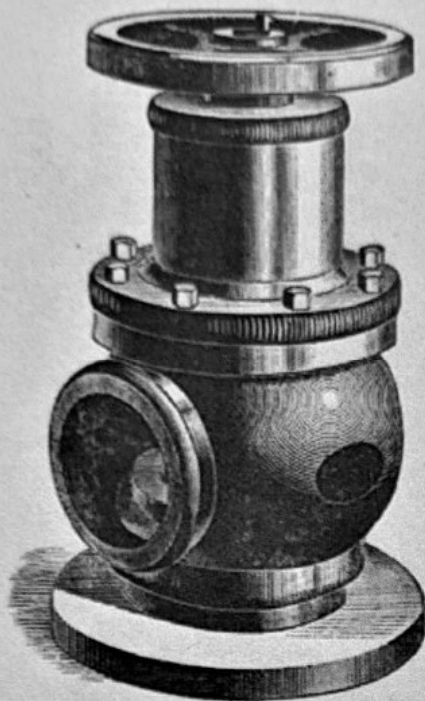
No. 15. Size, inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
" 15. Price	\$7.20	\$9.60	\$12.00	\$14.40	\$25.00	\$40.00
" 15. Weight, lbs.	$3\frac{1}{2}$	$4\frac{1}{2}$	$5\frac{1}{2}$	8	$12\frac{1}{2}$	$24\frac{1}{2}$

No. 16. Size, inches..	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6
" 16. Price	\$48	\$66	\$75	\$84	\$95	\$102	\$125	\$150
" 16. Inlet flg., in..	8	9	10	10	12	12	14	14
" 16. Outlet " "	7	$7\frac{1}{2}$	8	$8\frac{1}{2}$	9	$9\frac{1}{2}$	10	$10\frac{1}{2}$
" 16. Weight, lbs..	64	90	120	128	146	176	250	275

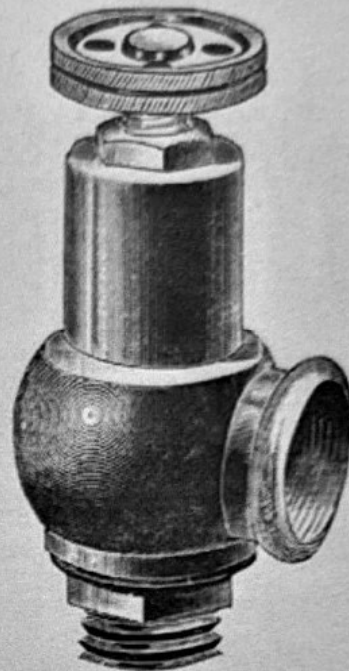
State highest pressure when ordering.

ASHTON

Water Relief Valves.



No. 22.



No. 24.

For water works, pumps or stand pipes; also equally applicable as cylinder relief valves on engines.

No. 22 style is with iron shell, extra long spring, and large regulating wheel.

No. 24 style is made in composition, and of a much smaller pattern.

PRICE LIST.

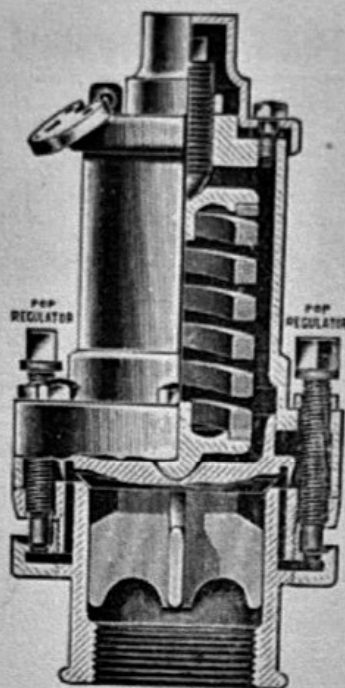
No. 24. Size, inches.....	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Price	\$7.00	\$9.00	\$12.50	\$16.50	\$23.00	\$40.00
Weight, lbs.	2	3	$4\frac{1}{2}$	6	10	18

No. 22. Size, in...	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6
Price	\$30	\$40	\$60	\$75	\$80	\$85	\$105	\$125	\$150
Inlet, flg., in.			8	9	10	10	12	12	14
Weight, lbs.	17	33	50	75	85	100	115	140	225

State highest pressure when ordering.

ASHTON

Locomotive Open Pop Valves.



No. 28.

These valves embody the latest improvements, are compact in form, solidly constructed, and for efficiency and durability are unequalled by any other style valve now on the market. They have double-guided valves; encased springs of Jessop's steel; downward outlet, preventing cinders from entering valve; outside pop regulators and lock-up attachment. Trial valves sent on application subject to approval if satisfactory.

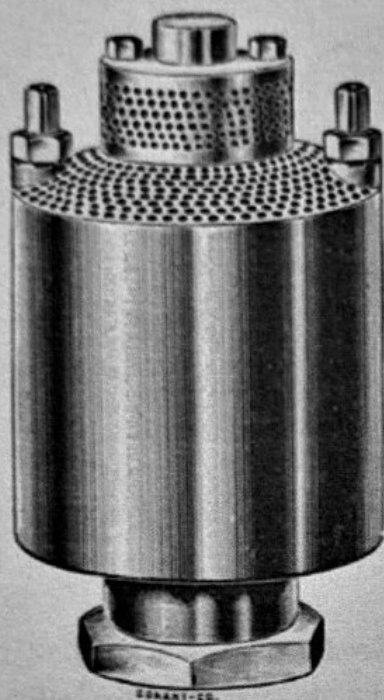
PRICE LIST.

No. 28. Size, inches	2½	2¾	3
" 28. Price.....	\$40.00	\$44.00	\$48.00
" 28. Approx. Wt., lbs...	16	19	23
No. 29. With lever, size, in.	2½	2¾	3
" 29. Price.....	\$45.00	\$50.00	\$55.00
" 29. Approx. Wt., lbs...	16	19	23

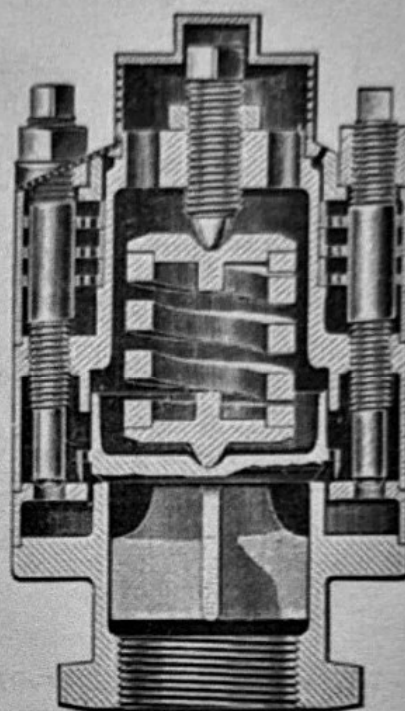
State highest pressure when ordering.

ASHTON

Locomotive Muffler Pop Valves.



No. 30. Ext.



No. 30. Int.

These muffler valves are superior to the open pop valves, as they overcome the objectionable noise of the latter, and yet do not in the least impair the efficiency of the valve. They are rapidly replacing the open pop valves on the railroads in the United States, being the latest improvement in the state of the art. Trial orders are solicited.

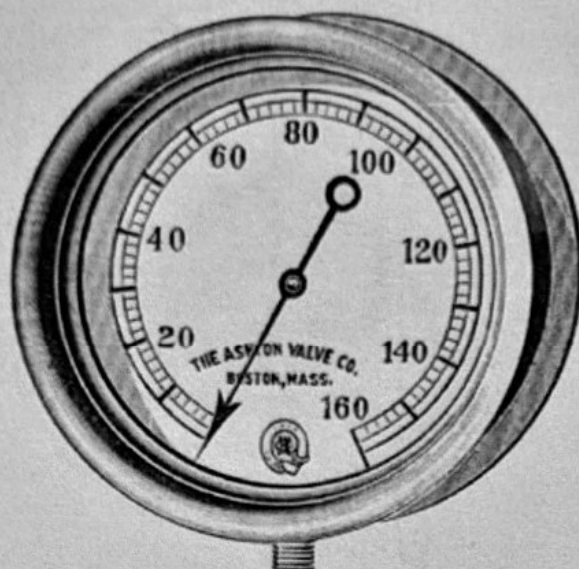
PRICE LIST.

Size, inches	2½	2¾	3
Price	\$85.00	\$90.00	\$95.00
Weight, lbs.	21	27	35

State highest pressure when ordering.

ASHTON

Single Spring Bourdon Pressure or Vacuum Gages.



No. 51.

All Ashton Gages have seamless drawn tubes, non-corrosive movements, and accurately graduated dials.

PRICES, INCLUDING COCK.

SIZE.	Iron Case, Brass Ring.	Iron Case, N. P. Ring.	Brass Case.	N. P. Case.
12 inch dial ..	\$50.00	\$51.50	\$75.00	\$79.00
10 " " " ..	32.00	33.00	40.00	43.00
8½ " " " ..	22.00	21.75	30.00	32.50
6¾ " " " ..	16.00	16.60	20.00	22.00
6 " " " ..	13.00	13.50	16.00	17.50
5½ " " " ..	10.00	10.25	12.00	13.25
5 " " " ..	8.00	8.20	11.00	12.00
4½ " " " ..	8.00	8.20	10.00	11.00
3½ " " " ..	7.00	7.18	9.00	9.75
3 " " " ..	6.00	6.15	8.00	8.60
2½ " " " ..	6.00	6.15	8.00	8.60
2 " " " ..	6.00	6.15	8.00	8.60

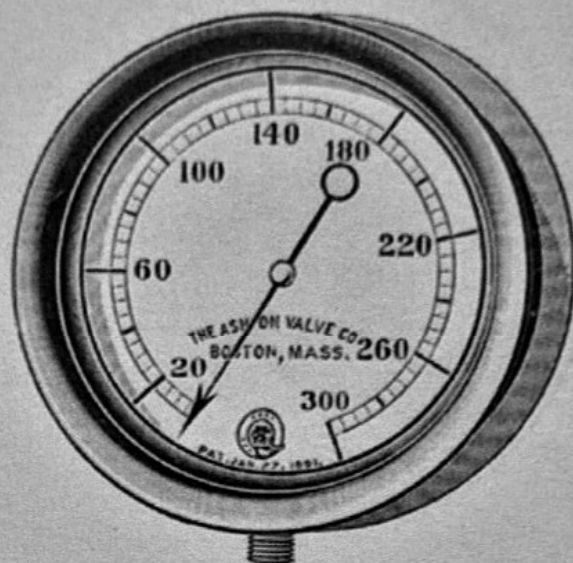
WEIGHTS.

Size, in....	2	2½	3	3½	4½	5	5½	6	6¾	8½	10	12
Wgt., lbs..	½	¾	1¼	1¾	3	3¾	4½	5½	7½	11½	14	25½

In ordering mention style case wanted, and highest working pressure.

ASHTON

Double Spring Bourdon Pressure Gages.



No. 52.

This gage is specially adapted for locomotive and marine service; it gives least vibration to the hand and is non-freezing.

PRICES, INCLUDING COCK.

SIZE.	Iron Case, Japanned.	Iron Case. N. P. Ring.	Brass Case.	N. P. Case.
12 inch dial..	\$55.00	\$56.50	\$80.00	\$84.00
10 " " ..	37.00	38.00	45.00	48.00
8½ " " ..	25.00	25.75	34.00	36.50
6¾ " " ..	18.00	18.60	22.00	24.00
6 " " " ..	15.00	15.50	18.00	19.00
5½ " " " ..	12.00	12.25	14.00	15.25
5 " " " ..	11.00	11.20	13.00	14.00
4½ " " " ..	10.00	10.20	12.00	13.00

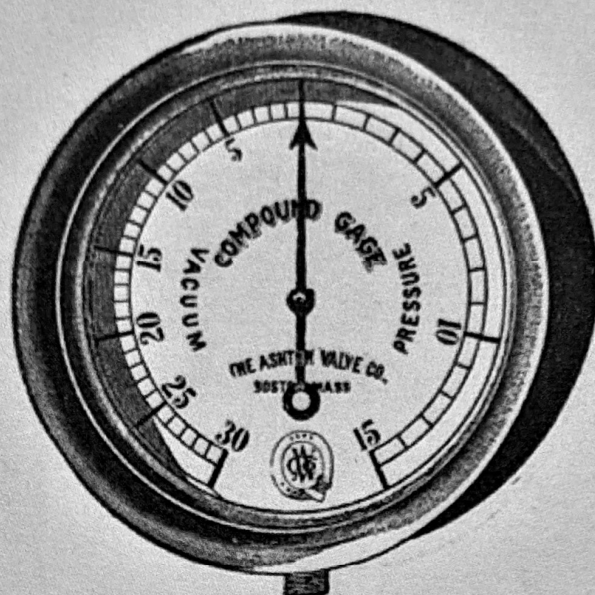
WEIGHTS.

Size, inches.	4½	5	5½	6	6¾	8½	10	12
Weight, lbs..	3	3¾	4½	5½	7½	11½	14	25½

In ordering mention style case wanted, and highest working pressure.

ASHTON

Compound Pressure and Vacuum Gages.



No. 54.

These gages for indicating either pressure or vacuum are graduated for pressure in pounds per square inch, and for vacuum in inches of mercury column, fifteen pounds pressure being equal to about thirty inches of vacuum. If a pressure exceeding fifteen pounds is required, it should be stated in ordering.

PRICES, INCLUDING COCK.

SIZE.	Iron Case. Japanned.	Iron Case. N. P. Ring.	Brass Case.	N. P. Case.	Brass Deep Case. O. G. or Oct. Ring.	N. P. Deep Case. O. G. or Oct. Ring.
12 inch dial..	\$60.00	\$61.50	\$80.00	\$84.00	\$85.00	\$89.00
10 " " ..	40.00	41.00	50.00	53.00	54.00	57.00
8½ " " ..	30.00	30.75	40.00	42.50	43.50	46.00
6¾ " " ..	20.00	20.60	25.00	27.00	28.00	30.00
6 " " ..	16.00	16.50	20.00	21.50	23.00	24.50
5½ " " ..	14.00	14.25	16.00	17.25	18.50	19.75
5 " " ..	14.00	14.25	16.00	17.25	18.50	19.75
4½ " " ..	12.00	12.20	14.00	15.00	16.00	17.00
3½ " " ..	10.00	10.18	12.00	12.75	13.75	14.50

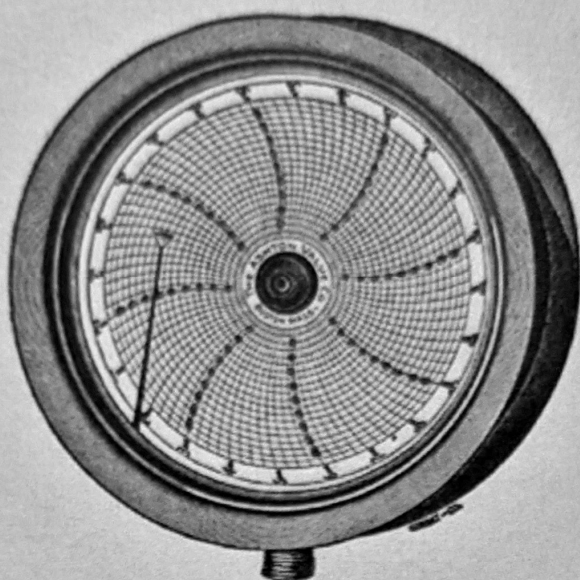
WEIGHTS.

Size, in.	3½	4½	5	5½	6	6¾	8½	10	12
Wgt., lbs.	1¾	3	3¾	4½	5½	7½	11½	14	25½

In ordering mention style case wanted and highest working pressure.

ASHTON

Improved Pressure Recording Gage.



No. 70.

The Ashton Pressure Recording Gage, as illustrated in the above cut, is a combination, in the latest and most improved form, of a pressure gage and a recording dial or chart. By its use an accurate record is given, showing the exact pressure carried, with its variations both day and night, with the time and duration of all changes.

It is equally adaptable for steam, water, air or gas pressure, and is a most valuable instrument to have for any conditions in which a record of pressures is desired.

In connection with steam boiler plants these gages serve as an incentive to careful firing, and insure steady steam and greater efficiency and economy. Any omission of duty or carelessness become recorded facts by the use of these gages.

PRICES.

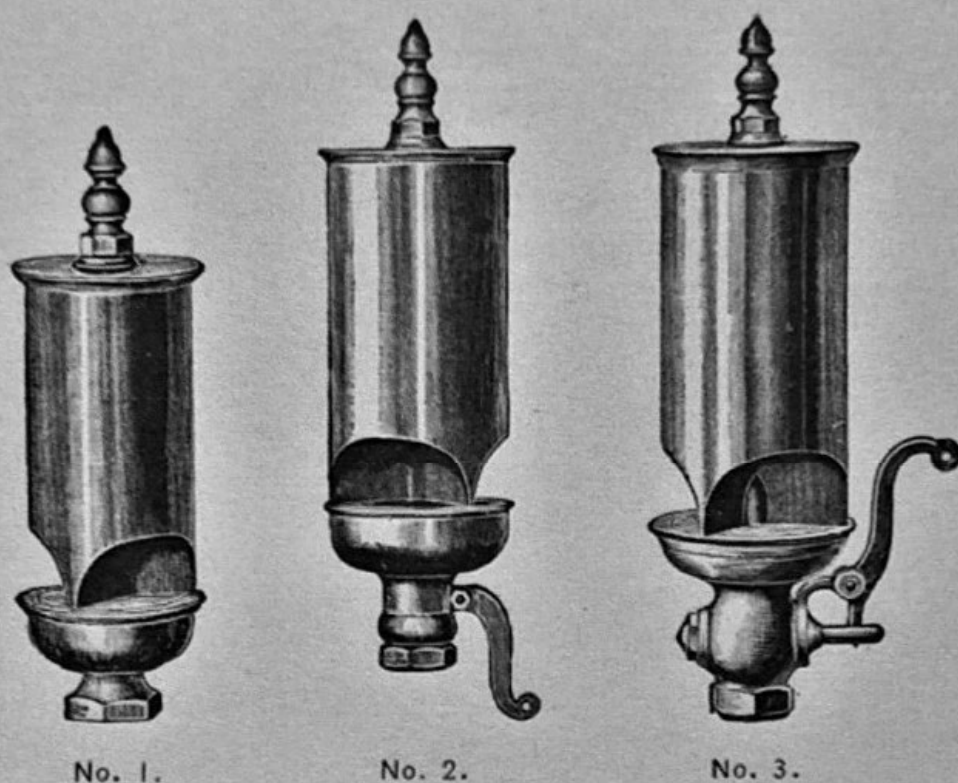
Including one year's supply of paper dials, bottle of ink and filler.

Size, inches...	6¾	8½	10	12
Brass Case	\$40.00	\$50.00	\$65.00	\$85.00
N. P. Case.....	42.00	52.50	68.00	89.00
Weight, lbs. ..	11	16	21	28

Write for discount. In ordering mention highest working pressure.

ASHTON

Single Bell Chime Whistles.



These chime whistles produce an agreeable sound in contrast to the harshness of the common whistle, and besides are far more penetrating.

PRICE LIST.

Diameter of Bell.	Size of Steam Pipe.	Fig. 1.	Fig. 2.	Fig. 3.
2 inches.	$\frac{1}{2}$ inch.	\$5.00		\$7.00
3 "	$\frac{3}{4}$ "	8.00		11.00
4 "	1 "	14.00	\$18.00	18.00
5 "	$1\frac{1}{4}$ "	22.00	28.00	28.00
6 "	$1\frac{1}{2}$ "	38.00	42.00	42.00
8 "	2 "	85.00		100.00
10 "	$2\frac{1}{2}$ "	150.00		180.00
12 "	3 "	260.00		300.00

In ordering state figure and diameter of bell.



THE METCALF PRESS
BOSTON

ca 1895